

FORM PTO-1449 (Modified)		Attorney Docket No. 00287S-482		Serial No.: 08/709,930		
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant: PHILIP S. GREEN				
		Filing Date: SEPTEMBER 9, 1996		Group: 2713		
Reference Designation		U.S. PATENT DOCUMENTS				
Examiner Initial	Document No.	Date	Name	Class	Sub- class	Filing Date (If Appropriate)
AA	5,209,747	05/11/1993	DENNIS J. KNOEPFLER	606	16	
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						
AK						
AL						
FOREIGN PATENT DOCUMENTS						
	Document No.	Date	Country	Class	Sub- class	Translation (yes/no)
AM						
AN						
AO						
AP						
AQ						
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
AR						
AS						
AT						
EXAMINER	L. Hadler		DATE CONSIDERED 5/20/98			

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FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			Attorney Docket No.: 00287-004820US		Serial No.: 08/709,930	
			Applicant: PHILIP S. GREEN			
			Filing Date: September 9, 1996		Group: 2602 2713	
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Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
<u>Mr</u> AA	1,418,184	05/30/22	Trunick	279	93	
<u>Mr</u> AB	2,901,258	08/25/59	Brandafi	279	97	
<u>Mr</u> AC	3,145,333	08/18/64	Pardini et al.	318	45	
<u>Mr</u> AD	4,113,115	09/12/78	Yoshio	214	18B	
<u>Mr</u> AE	4,260,319	04/07/81	Motoda et al.	414	591	
<u>Mr</u> AF	4,264,266	04/28/81	Trechsel	414	730	
<u>Mr</u> AG	4,419,041	12/06/83	Rose	414	739	
<u>Mr</u> AH	4,562,463	12/31/85	Lipton	358	88	
<u>Mr</u> AI	4,636,138	01/13/87	Gorman	414	735	
<u>Mr</u> AJ	4,744,363	05/17/88	Hasson	128	321	
<u>Mr</u> AK	4,751,925	06/21/88	Tontarra	128	303R	
<u>Mr</u> AL	4,762,455	08/09/88	Coughlan et al.	414	4	
<u>Mr</u> AM	4,808,898	02/28/89	Pearson	318	568	

EXAMINER <u>Richard Lee</u>	DATE CONSIDERED <u>5/20/98</u>
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Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
<u>hr</u> BA	4,873,572	10/10/89	Miyazaki et al.	358	98	
<u>hr</u> BB	4,947,702	08/14/90	Kato	74	479	
<u>hr</u> BC	5,002,418	03/26/91	McCown et al.	403	24	
<u>hr</u> BD	5,020,933	06/04/91	Salvestro et al.	403	90	
<u>hr</u> BE	5,060,532	10/29/91	Barker	74	479	
<u>hr</u> BF	5,062,761	11/05/91	Glachet	414	729	
<u>hr</u> BG	5,078,140	01/07/92	Kwoh	128	653.1	
<u>hr</u> BH	5,096,236	03/17/92	Thony	292	32	
<u>hr</u> BI	5,141,519	08/25/92	Smith et al.	606	205	
<u>hr</u> BJ	5,142,930	09/01/92	Allen et al.	74	469	
<u>hr</u> BK	5,219,351	06/15/93	Teubner et al.	606	130	
<u>hr</u> BL	5,236,432	08/17/93	Matsen, III et al.	606	88	
<u>hr</u> BM	5,253,706	10/19/93	Reid	166	135	
<u>hr</u> BN	5,257,998	11/02/93	Ota et al.	606	130	
<u>hr</u> BO	5,260,319	11/09/93	Effland et al.	514	326	
<u>hr</u> BP	5,264,266	11/23/93	Yokoyama et al.	428	64	
<u>hr</u> BQ	5,273,039	12/28/93	Fujiwara et al.	128	653.1	
<u>hr</u> BR	5,279,309	01/18/94	Taylor et al.	128	782	
<u>hr</u> BS	5,281,220	01/25/94	Blake, III	606	46	

EXAMINER <u>Hand Ren</u>	DATE CONSIDERED <u>5/20/98</u>
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<u>lu</u> CA	5,284,130	02/08/94	Ratliff	128	20	
<u>lu</u> CB	5,325,866	07/05/94	Krzyzanowski	128	251	
<u>lu</u> CC	5,339,799	08/23/94	Kami et al.	128	4	
<u>lu</u> CD	5,397,323	03/14/95	Taylor et al.	606	130	
<u>lu</u> CE	5,425,528	06/20/95	Rains et al.	251	149.1	
<u>lu</u> CF	5,441,505	08/15/95	Nakamura	606	130	
<u>lu</u> CG	5,474,566	12/12/95	Alesi et al.	606	139	
<u>lu</u> CH	5,480,409	01/02/96	Riza	606	205	
<u>lu</u> CI	5,636,138	06/03/97	Gilbert et al.	364	512	

FOREIGN PATENT DOCUMENTS						
	Document No.	Date	Country	Class	Sub-class	Translation (yes/no)
<u>lu</u> CJ	4 213 426	10/29/92	Germany			Abstract
<u>lu</u> CK	482 439	01/30/70	Switzerland			No
<u>lu</u> CL	WO 92/16141	10/01/92	PCT			Yes

EXAMINER <u>lu</u>	DATE CONSIDERED <u>5/20/98</u>
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		Filing Date: September 9, 1996	Group: 2602 2713
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) Page 4 of 4			
<u>LA</u> DA	Asada Haruhiko et al., "Development of a Direct-Drive Arm Using High Torque Brushless Motors," Chapter 7, pp. 583-599.		
<u>LB</u> DB	Guerrouad Aicha et al., "S.M.O.S.: Stereotaxical Microtelemanipulator for Ocular Surgery," <i>IEEE Engineering in Medicine & Biology Society</i> , 11th Annual International Conference, 1989, Medical Applications of Robotics, Track 16: Biorobotics, pp. 879-880.		
<u>LC</u> DC	Kazerooni H., "Design and Analysis of the Statically Balanced Direct-Drive Robot Manipulator," <i>Robotics & Computer-Integrated Manufacturing</i> , 1989, Volume 6, Number 4, pp. 287-293.		
<u>LD</u> DD	Ng. W. S. et al., "Robotic Surgery," <i>IEEE Engineering in Medicine and Biology</i> , March 1993, pp. 120-125.		
<u>LE</u> DE	Taubes Gary, "Surgery in Cyberspace," <i>Discover</i> , December 1994, pp. 85-92.		
<u>LF</u> DF	Taylor Russell H. et al., "A Telerobotic Assistant for Laparoscopic Surgery," <i>Engineering in Medicine and Biology</i> , May-June 1995, pp. 279-288.		
<u>LG</u> DG	Trevelyan James P. et al., "Motion Control for a Sheep Shearing Robot," <i>IEEE Robotics Research Conference</i> , the 1st International Symposium, Carroll, NH, USA, Conference Date: August 25, 1983, Conference No. 05357, Publication by MIT Press, pp. 175-190.		
EXAMINER <u>W. A. Lee</u>		DATE CONSIDERED <u>5/20/98</u>	

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FORM PTO-1449 (Modified)

Attorney Docket No.
000287-004820Serial No.:
08/709,930LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

Applicant: PHILIP S. GREEN

Filing Date: 09/09/96

Group: 2713

Reference Designation

U.S. PATENT DOCUMENTS

Examine r Initial	Document No.	Date	Name	Class	Sub- class	Filing Date (If Appropriate)
<u>M</u> AA	3,818,125	06/74	Butterfield	178	6.5	
<u>M</u> AB	3,921,445	11/75	Hill et al.	73	133R	
<u>M</u> AC	3,923,166	12/02/75	Fletcher et al.	901	2	
<u>M</u> AD	3,934,201	01/20/76	Majetski	381	14	
<u>M</u> AE	4,349,837	09/14/82	Hinds	358	93	
<u>M</u> AF	4,510,574	04/09/85	Guittet et al.	901	2	
<u>M</u> AG	4,582,067	04/86	Silberstein	128	663	
<u>M</u> AH	4,562,463	12/85	Lipton	358	88	
<u>M</u> AI	4,583,117	08/86	Lipton et al.	358	92	
<u>M</u> AJ	4,651,201	03/17/87	Schoolman	358	98	
<u>M</u> AK	4,750,475	06/88	Yoshihashi	128	6	
<u>M</u> AL	4,837,734	06/06/89	Ichikawa et al.	901	2	
<u>M</u> AM	4,855,822	08/89	Narendar et al.	358	103	
<u>M</u> AN	4,862,873	09/89	Yajima et al.	128	6	
<u>M</u> AO	4,899,730	02/13/90	Stennert et al.	128	4	
<u>M</u> AP	4,922,338	05/01/90	Arpino	358	93	
<u>M</u> AQ	4,941,106	07/90	Krieger	364	513	
<u>M</u> AR	4,942,539	07/90	McGee et al.	364	513	
<u>M</u> AS	3,463,329	05/67	Gartner	214	1	
<u>M</u> AT	2,815,697	12/57	A.E. Saunders-Singer	88	40	
<u>M</u> AU	5,045,936	09/03/91	Lobb et al.	358	98	

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub- class	Translation (yes/no)
<u>M</u> AV	3806190	09/88	Germany	H04N	13/02	No
<u>M</u> AW	2040134	08/80	UK	H4F		
<u>M</u> AX	0 595 291 A1	10/93	Europe	B25J	9/10	
<u>M</u> AY	0 239 409 A1	03/87	Europe	A61F	9/00	
<u>M</u> AZ	86 00852	01/86	France	B25J	11/00	
<u>M</u> BA	2 460 762	01/79	France	B25J	3/02	
<u>M</u> BB	28 19 976	05/78	Germany	F16M	1/00	
<u>M</u> BC	0 291 292 A2	05/88	Europe	F16H	21/44	
<u>M</u> BD	2117732	10/83	UK	B25J	9/00	

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<u>SR</u> BE	2 593 106	07/87	France	B25J	11/00
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)					
<u>h</u> BF	A.D. Alexander, III, "Impacts of Telemation on Modern Society", *, <u>1st CISM-IFTO MM SYMPOSIUM</u> , Vol. 2, pp. 122-136.				
<u>h</u> BG	A.K. Bejczy et al, "Controlling Remote Manipulators Through Kinesthetic Coupling", 1983, <u>Computers in Mechanical Engineering</u> , pp. 48-60.				
<u>h</u> BH	Fisher et al., "Virtual Interface Environment", 1986, <u>Proceedings IEEE/AIAA 7th Digital Avionics Systems Conference</u> , pp. 346-350.				
<u>h</u> BI	Hald et al., "Telepresence, Time Delay and Adaptation", *, <u>Spatial Displays and Spatial Instruments Proceedings of a Conference sponsored by NASA Ames Research Center and the School of Optometry, Univ. of California</u> , pp. 28-1 through 28-16.				
<u>h</u> BJ	Kim et al., "A Helmet Mounted Display for Telerobotics", 1988, <u>33 IEEE Computer Society International Conference, California</u> , pp. 543-547.				
<u>h</u> BK	B. M. Jau, "Anthropomorphic Remoter Manipulator", 1991, <u>NASA Tech Briefs</u> , pg. 92.				
<u>h</u> BL	K. Matsushima, "Servo Micro Manipulator Tiny Micro Mark-1", 1982, <u>4th Symposium on Theory and Practice of Robots and Manipulators</u> , pp. 193-201.				
<u>h</u> BM	R. Richter, "Telesurgery may Bridge Future Gaps", 1988, <u>Times Tribune</u> , Sunday, January 24, pp. A-1 and A-16.				
<u>h</u> BN	E. H. Spain, "Stereo Advantage for a Peg-In-Hole Task Using Force-Feedback Manipulator", 1990, <u>Stereoscopic Displays and Applications</u> , pp. 244-254.				
<u>h</u> BO	Tachi et al., "Tele-existence Master Slave System for Remote Manipulation", 1990, <u>Proceedings of the 29th Conference on Decision and Control</u> , Vol. 1 of 6, pp. 85-90.				
<u>h</u> BP	"Introduction t a New Project for The National Research Development Program (Large-Scale Project) in FY 1991 - Micromachine Technology", 1991, <u>Agency of Industrial Science and Technology Ministry of International Trade and Industry, Japan</u> , pp. 1-11.				
<u>h</u> BQ	"Another Pair of Hands for Surgeon?" 1972, <u>The Blue Cross magazine Perspective</u> , pg. 27.				

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